



PATENT

IN THE UNITED STATES

PATENT AND TRADEMARK OFFICE

APPLICANTS: James P. Dunyak et al.

APPLICATION NO.: 10/765,202

FILING DATE: January 28, 2004

TITLE: Sub-Symbol Parallel Interference Cancellation

EXAMINER: Unknown

GROUP ART UNIT: 2631

ATTY. DKT. NO.: 58010-00602

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MAIL STOP MISSING PARTS  
COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

**RESPONSE TO NOTICE TO FILE MISSING  
PARTS OF APPLICATION**

SIR:

Responsive to the Notice to File Missing Parts dated June 9, 2004 received in the above-identified patent application,

Enclosed are:

- a copy of the Notice to File Missing Parts;
- an original, signed Declaration & Power of Attorney;
- two checks totaling \$1,570 for the
  - application filing fee;
  - fee for additional claims;
  - two-month extension of time

09/17/2004 SDIRETA1 00000089 10765202

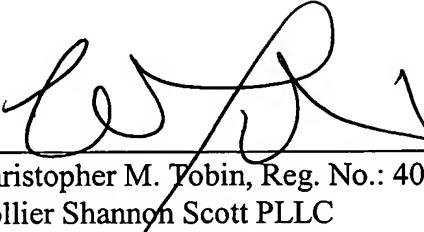
05 FC:2252

210.00 0P

- missing parts surcharge; and
  - Assignment.
- Other: Assignment & Assignment Recordation Sheet
- Applicant claims small entity status under 37 C.F.R. § 1.27.

Respectfully submitted,  
JAMES P. DUNYAK ET AL.

Dated: Sept. 16, 2004

By: 

Christopher M. Tobin, Reg. No.: 40,290  
Collier Shannon Scott PLLC  
3050 K Street NW, Suite 400  
Washington, D.C. 20007  
Tel.: (202) 342-8508  
Fax: (202) 342-8451

702114

# Collier Shannon Scott



September 16, 2004

**Collier Shannon Scott, PLLC**  
Washington Harbour, Suite 400  
3050 K Street, NW  
Washington, DC 20007  
202.342.8400 TEL  
202.342.8451 FAX  
Christopher M. Tobin  
202.345.8508  
CTobin@colliershannon.com

Commissioner for Patents  
Mail Stop Missing Parts  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Re: U.S. Patent Application No. 10/765,202  
Title: Sub-Symbol Parallel Interference Cancellation  
Filing Date: January 28, 2004  
Inventors: James P. Dunyak et al.  
Our Reference: 58010-00602**

Dear Sir:

Transmitted herewith for filing in the U.S. Patent and Trademark Office in connection with the above-referenced U.S. patent application are the following documents:

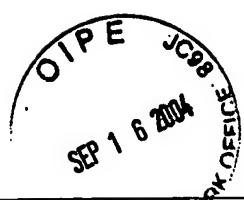
- (1) Response to Notice to File Missing Parts of Application (2 pages);
- (2) Copy of Notice to File Missing Parts of Application (2 pages);
- (3) Combined Declaration & Power of Attorney (3 pages);
- (4) Fee Transmittal in duplicate (2 pages);
- (5) Assignment and Assignment Recordation (4 pages); and
- (6) Two checks totaling \$1,570

Please date-stamp the enclosed copy of this letter, thereby acknowledging receipt of the above-identified documents.

Sincerely yours,

CHRISTOPHER M. TOBIN, Reg. No. 40,290

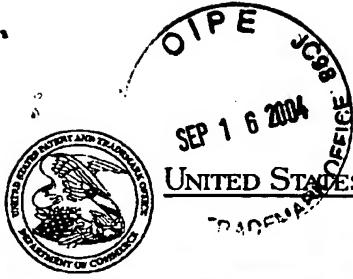
Enclosures



0002/PTO(modified) Rev. 10/2001	U.S. Department of Commerce Patent and Trademark Office	<b>Complete if Known</b>	
<b>FEES TRANSMITTAL</b>		Application Number	10/765,202
<b>TOTAL AMOUNT OF PAYMENT</b>		Filing Date	January 28, 2004
Subtotal (1) + Subtotal (2) + Subtotal (3) = <b>\$ 1,570</b>		First Named Inventor	James P. Duniak
		Group Art Unit	2631
		Examiner Name	Unknown
		Attorney Docket Number	58010-00602

<b>METHOD OF PAYMENT</b>		<b>FEES CALCULATION (continued)</b>		
<b>1. The Commissioner is hereby authorized to:</b>		<b>3. ADDITIONAL FEES</b>		
<input type="checkbox"/> Charge the indicated fees to the below mentioned deposit account. <input checked="" type="checkbox"/> Charge any additional fee required under 37 CFR 1.16 - 1.21 or credit any over payments to the below mentioned deposit account. <sup>†</sup> <input checked="" type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27		Large Entity	Small Entity	Fee Description
		Fee Code/Fee	Fee Code/Fee	Fee Due
		105/\$130	205/\$65	Surcharge - late filing fee or oath <b>65</b>
		127/\$50	227/\$25	Surcharge-late provisional filing fee or cover sheet
		147/\$2,520	147/\$2,520	For filing a request for reexamination
		115/\$110	215/\$55	Extension for response within first month <sup>†</sup>
		116/\$420	216/\$210	Extension for response within second month <sup>†</sup> <b>210</b>
		117/\$950	217/\$475	Extension for response within third month <sup>†</sup>
		118/\$1,480	218/\$740	Extension for response within fourth month <sup>†</sup>
		128/\$2,010	228/\$1,005	Extension for response within fifth month <sup>†</sup>
		119/\$330	219/\$165	Notice of Appeal
		141/\$1,330	241/\$665	Petition to revive unintentionally abandoned application
		142/\$1,330	242/\$665	Utility Issue Fee (Or Reissue)
		143/\$480	243/\$240	Design Issue Fee
		122/\$130	122/\$130	Petitions to the Commissioner
		126/\$180	126/\$180	Submission of Information Disclosure Statement
		179/\$770	279/\$385	Request for Continued Examination (RCE)
		581/\$40	581/\$40	Recording each patent assignment per property (times number of properties) <b>40</b>
		146/\$770	246/\$385	Filing a submission after final rejection (37 CFR 1.129(a))
		149/\$770	249/\$385	For each additional invention to be examined (37 CFR 1.129(b))
<b>2. CLAIMS</b>		<b>SUBTOTAL (3) <b>\$ 315</b></b>		
Large Entity	Small Entity	Fee Description		
Fee Code/Fee	Fee Code/Fee			
103/\$18	203/\$9	Claims in excess of 20		
102/\$86	202/\$43	Independent claims in excess of 3		
104/\$290	204/\$145	Multiple dependent claim		
109/\$86	209/\$43	Reissue independent claims over original patent		
110/\$18	210/\$9	Reissue claims in excess of 20 and over original patent		
		(Col. 1)	(Col. 2)	(Col. 3)
For	No. of Existing Claims	Highest No. Previously Paid For	Extra**	Fee
TOTAL	88	20 or	68	x 9
INDEP	9	minus* 3 or	6	x 43
[ ] First presentation of multiple dependent claim				
<b>SUBTOTAL (2) <b>\$ 870</b></b>				
* Subtract the greater number of Col. 2 ** If the difference between Col. 1 and Col. 2 is less than zero, then enter "0" in Col. 3				
<b>SUBMITTED BY</b>				<b>Complete (if applicable)</b>
Typed or Printed Name		Christopher M. Tobin		Reg. Number <b>40,290</b>
Signature			Date	September 16, 2004

<sup>†</sup> Request for Extension of Time per 37 CFR 1.136 (a)(3) made hereby



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

STW  
 AH

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/765,202	01/28/2004	James P. Dunyak	58010-00602

**CONFIRMATION NO. 7630**

**FORMALITIES LETTER**



\*OC000000012909871\*

25243  
 COLLIER SHANNON SCOTT, PLLC  
 3050 K STREET, NW  
 SUITE 400  
 WASHINGTON, DC 20007  
 09/17/2004 SDIRETA1 00000089 10765202

01 FC:2001	385.00	OP
02 FC:2051	65.00	OP
03 FC:2202	612.00	OP
04 FC:2201	258.00	OP

Date Mailed: 06/09/2004

**NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION**

**FILED UNDER 37 CFR 1.53(b)**

*Filing Date Granted*

**Items Required To Avoid Abandonment:**

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 770 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).*
- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Additional claim fees of **\$1740** as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

**SUMMARY OF FEES DUE:**

Total additional fee(s) required for this application is **\$2640** for a Large Entity

- **\$770** Statutory basic filing fee.
- **\$130** Late oath or declaration Surcharge.
- Total additional claim fee(s) for this application is **\$1740**

**DOCKETED**

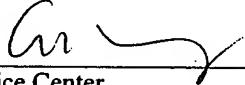
Date 06/09/04  
 By 770

- **\$516** for **6** independent claims over 3.
- **\$1224** for **68** total claims over 20.

Replies should be mailed to: Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

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*A copy of this notice **MUST** be returned with the reply.*

*Ar*   
Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE